## WE CLAIM:

1. A compound of Formula (I):

5 wherein:

10

15

20

R<sup>1</sup> is benzoxazol-2-yl, oxazolo-[4.5-b]-pyridin-2-yl, 2-ethyl-[1.3.4]-oxadiazol-5-yl, 2-phenyl-[1.3.4]-oxadiazol-5-yl, 3-phenyl-[1.2.4]-oxadiazol-5-yl, 3-thien-3-yl-[1.2.4]-oxadiazol-5-yl, 3-pyridin-3-yl-[1.2.4]-oxadiazol-5-yl, 3-ethyl-[1.2.4]-oxadiazol-5-yl, 5-ethyl-[1.2.4]-oxadiazol-3-yl, or 2-methoxymethyl-[1.3.4]-oxadiazol-5-yl; and

 $R^2$  is ethyl or *n*-propyl;

R<sup>3</sup> is cylohexylmethyl, 1-methylcyclohexylmethyl, cyclopentylmethyl, 1-methylcyclopentylmethyl, cyclopropylmethylsulfinylmethyl, cyclopropylmethylsulfonylmethyl, 2-phenylsulfanylethyl, 2-phenylsulfonylethyl, pyridin2-ylmethylsulfonylmethyl, benzylsulfonylmethyl, 2-(difluoromethoxy)-benzylsulfonylmethyl, or 2-chlorobenzyl;

R<sup>4</sup> is methyl, phenyl, 4-fluorophenyl, isopropylamine, cyclopentylamine, tetrahydropyran-4-yl, morpholin-4-yl, or pyrrolidin-1-yl;

 $R^5$  is methylsulfonyl, 2,2,2-trifluoroethyl, ethoxycarbonyl, or pyridin-3-ylsulfonyl; or  $R^4$  and  $R^5$  together with the atoms to which they are attached form 1,1-dioxobenzo[d]isothiazol-3-yl or 1,1-dioxo-1,4-dihydro- $\lambda^6$ -benzo[1.2.4]thiadiazin-3-yl; or a pharmaceutically acceptable salts thereof.

2. A compound selected from the group consisting of:

or a pharmaceutically acceptable salt thereof.

3. A compound of formula:

5

- 4. A pharmaceutical composition comprising a compound of any of the Claims 1-3 in admixture with one or more suitable excipients.
- 5 A method for treating a disease in an animal mediated by cysteine proteases which method comprises administering to the animal a therapeutically effective amount of a compound of any of the Claims 1-3.
  - 6. A method of treating a patient undergoing a therapy wherein the therapy causes an immune response in the patient comprising administering to the patient a compound of any of the Claims 1-3
  - 7. The method of Claim 6 wherein the therapy involves treatment with a biologic.
  - 8. The method of Claim 7 wherein the biologic is a protein.

10

20

- 9. The method of Claim 7 wherein the biologic is an antibody.
- 10. The method of Claim 9 wherein the biologic is Remicade<sup>®</sup>, Refacto<sup>®</sup>, Referon-A<sup>®</sup>,
- Factor VIII, Factor VIII, Betaseron<sup>®</sup>, Epogen<sup>®</sup>, Embrel<sup>®</sup>, Interferon beta, Botox<sup>®</sup>, Fabrazyme<sup>®</sup>, Elspar<sup>®</sup>, Cerezyme<sup>®</sup>, Myobloc<sup>®</sup>, Aldurazyme<sup>®</sup>, Verluma<sup>®</sup>, Interferon alpha, Humira<sup>®</sup>, Aranesp<sup>®</sup>, Zevalin<sup>®</sup> or OKT3.
  - 11. A method of treating immune response in an animal that is caused by administration of a biologic to the animal which method comprises administering to the animal in need of such treatment a therapeutically effective amount of a compound of any of the Claims 1-3.
  - 12. A method of conducting a clinical trial for a biologic comprising administering to an individual participating in the clinical trial a compound of any of the Claims 1-3 with the biologic.
- 13. A method of prophylactically treating a person undergoing treatment with a biologic
  25 with a compound of any of the Claims 1-3 to treat the immune response caused by the biologic in the person.
  - 14. A method of determing the loss in the efficacy of a biologic in an animal due to the immune response caused by the biologic comprising administering the biologic to the animal in the presence and absence of a compound of any of the Claims 1-3.
- 30 15. A method of improving efficacy of a biologic in an animal comprising administering the biologic to the animal with a compound of any of the Claims 1-3.

16. The method of Claim 5 wherein the cysteine protease is Cathepsin S.

5

- 17. The method of Claim 16 wherein the disease is psoriasis or Grave's exophthalmos.
- 18. Use of a compound of any of the Claims 1-3 for the manufacture of a medicament for combination therapy with a biologic wherein the compound treats the immune response caused by the biologic.